

WHAT IS CLAIMED IS:

1. An data management method comprising:
 - assigning different indices to each of plurality of storage regions that are discriminated from each other by their addresses;
 - forming entries corresponding to records containing address values referring to the storage regions so that the entries and the address values contained have one-to-one correspondence; and
 - registering the entries in the indices assigned to the storage regions that are designated by the address values corresponding to the entries.
2. The data management method according to claim 1, wherein the indices are managed by sorting the entries with keys for determining a sorting order of the entries, contents of the records that contain the address values corresponding to the entries being used as the keys.
3. The data management method according to claim 2, wherein the keys for determining the sorting order of the entries are designated per entry.
4. The data management method according to claim 2, wherein contents of storage regions designated by other address values contained in the records that contain the address values corresponding to the entries are used as the keys for determining the sorting order of the entries.
5. The data management method according to claim 2, wherein other address values contained in the records that contain the address values corresponding to the entries are used as the keys for determining the sorting order of the entries.
6. The data management method according to claim 2 further comprising changing an order of the entries according to need

so that the each key for the entries in the indices does not contradict with the sorting order while the records containing the address values corresponding to the entries are updated.

7. The data management method according to claim 4 further comprising changing an order of the entries according to need so that the each key for the entries in the indices does not contradict with the sorting order while the contents of the storage regions designated by the address values are updated.

8. The data management method according to claim 2 further comprising retrieving indices with specified keys.

9. The data management method according to claim 8 further comprising determining storage regions containing designated contents and retrieving indices corresponding to the determined storage regions.

10. The data management method according to claim 8 further comprising retrieving further indices corresponding to storage regions designated by other address values contained in records that contain address values corresponding to entries obtained by the preceding retrieval on other indices.

11. A computer readable storage medium containing executable data management program instructions for:

assigning different indices to each of plurality of storage regions that are discriminated from each other by their addresses;

forming entries corresponding to records containing address values to the storage regions so that the entries and the address values contained have one-to-one correspondence; and

registering the entries in the indices assigned to the storage regions that are designated by the address values corresponding to the entries.

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12. The storage medium according to claim 11, wherein the indices are managed by sorting the entries with keys for determining a sorting order of the entries, contents of the records that contain the address values corresponding to the entries being used as the keys.

13. The storage medium according to claim 12, wherein the keys for determining the sorting order of the entries are designated per entry.

14. The storage medium according to claim 12, wherein contents of storage regions designated by other address values contained in the records that contain the address values corresponding to the entries are used as the keys for determining the sorting order of the entries.

15. The storage medium according to claim 12, wherein other address values contained in the records that contain the address values corresponding to the entries are used as the keys for determining the sorting order of the entries.

16. The storage medium according to claim 12 including the instruction for changing an order of the entries according to need so that the each key for the entries in the indices does not contradict with the sorting order while the records containing the address values corresponding to the entries are up-dated.

17. The storage medium according to claim 14 including the instruction for changing an order of the entries according to need so that the each key for the entries in the indices does not contradict with the sorting order while the contents of the storage regions designated by the address values are updated.

18. The storage medium according to claim 12 including the

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